

Message Text

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ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 CIAE-00 DODE-00 INRE-00

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FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 248

S E C R E T MOSCOW 2659

EXDIS

E.O. 11652: XGDS-3

TAGS: PARM, US, UR

SUBJ: TTBT/PNE NEGOTIATIONS: SEISMIC STATIONS

TTBT/PNE DELEGATION MESSAGE NO. 72

1. FOLLOWING IS TEXT OF NORDYKE STATEMENT AT PLENARY FEB 20. FOR CLARITY, STATEMENT ELABORATES ON INFORMATION PROVIDED STATE 38730 ON BASIS OF DELEGATION UNDERSTANDING OF NETWORK. PLEASE REVIEW STATEMENT TO ASSURE CONCEPT IS CONSISTENT WITH PRESENT SYSTEM.

BEGIN TEXT.

I AM HAPPY TO REPORT THAT WE HAVE ANSWERS TO THE QUESTIONS REGARDING THE FREQUENCY AND POWER CHARACTERISTICS OF THE RADIO LINKS USED IN THE PRESENT SEISMIC NETWORK DESCRIBED ON FEBRUARY 16. THE CHARACTERISTICS OF THIS PRESENT SYSTEM ARE AS FOLLOWS:

1. DATA TRANSMISSION SYSTEM: 216.5, 217.5, 218.5, 219.5, 226.7, 229.9, 230.4, 231.4, 235.5, 239.4, 248.6, AND 259.7 MEGAHERTZ. THE MAXIMUM POWER LEVEL OF THESE TRANSMITTERS IS 5 WATTS. THERE IS ONE TRANSMITTER FOR EACH REMOTE STATION.

2. A 30-WATT BASE STATION TRANSMITTER THAT TRANSMITS ON TWO FREQUENCIES:

A. FOR VOICE COMMUNICATIONS - 413.8 MEGAHERTZ WITH A BANDWIDTH OF PLUS OR MINUS 5 KILOHERTZ, AND

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B. FOR COMMAND OF REMOTE STATIONS TO TURN THEM

ON AND OFF AND TO SEND CALIBRATION SIGNALS - 100 MEGA-
HERTZ WITH A BANDWIDTH OF PLUS OR MINUS 50 KILOHERTZ.

3. THE RANGE OF BOTH OF THESE TRANSMITTERS IS LIMITED
BY LINE-OF-SIGHT BUT IS AT LEAST 40-50 MILES AS USED IN
THE WESTERN UNITED STATES.

4. THE ANTENNAE PRESENTLY USED WITH THE SYSTEM COME
IN 10-FOOT SECTIONS AND SUFFICIENT SECTIONS ARE USED TO
ATTAIN LINE-OF-SIGHT BETWEEN THE TOP OF THE ANTENNAE AND
THE BASE STATION. THE USUAL HEIGHT IS 20 FEET BUT CAN BE
EXTENDED TO 60 FEET. THE ANTENNAE DEPICTED IN THE DRAW-
ING SHOWN TO YOU ON FEBRUARY 16 WERE THE CREATION OF AN
ARTIST. THERE IS NO DIFFERENCE IN THE APPEARANCE OF THE
ANTENNAE.

WE WOULD LIKE TO HAVE YOUR VIEWS OF THE ACCEPTABILITY
OF THE USE OF THE ABOVE FREQUENCIES IN CONJUNCTION WITH
THE POSSIBLE USE OF THIS SYSTEM IN THE SOVIET UNION.

END TEXT.
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Message Attributes

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Copy: SINGLE
Draft Date: 21 FEB 1976
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